

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
N.M. Oil Conservation District 2  
1001 W. Grand Avenue  
Artesia, NM 88210

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐

OTHER

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

## 2. NAME OF OPERATOR

CONCHO OIL &amp; GAS CORP.

ERICK NELSON (915-683-7446)

## 3. ADDRESS AND TELEPHONE NO.

110 WEST LOUISIANA SUITE 410 MIDLAND, TEXAS 79702 (915-683-7446)

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' FNL &amp; 510' FEL SEC. 30 T18S-R30E EDDY CO. NM

At proposed prod. zone SAME

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

Approximately 7 miles South of Loco Hills New Mexico

## 15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT. 510

(Also to nearest drlg. unit line, if any)

## 18. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT. 1320'

## 16. NO. OF ACRES IN LEASE

560

## 19. PROPOSED DEPTH

8400'

## 17. NO. OF ACRES ASSIGNED TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

ROTARY

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3478' GR.

Capitan Controlled Water Basin

## 22. APPROX. DATE WORK WILL START

When Approved

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor	NA	40'	Cement to surface with Redi-mix
17 1/2"	H-40 13 3/8"	48	425'	400 Sx. circulate to surface.
12 1/4"	K-55 8 5/8"	32	2100'	1000 Sx. " " "
7 7/8"	J-55, N-80 5 1/2"	17	8400'	800 Sx. estimate top cement 1800'

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 425'. Run and set 425' if 13 3/8" 48# H-40 SR&C casing. Cement with 400 Sx. of Class "C" cement + 2% CaCl, + 1/4# Flocele/Sx., circulate cement to surface.
3. Drill 12 1/4" hole to 2100'. Run and set 2100' of 8 5/8" 32# K-55 ST&C casing. Cement with 800 Sx. of Class "C" Light cement + 2% CaCl, + 1/4# Flocele/Sx., tail in with 200 Sx. of Class "C" cement + 2% CaCl, + 1/4# Flocele/Sx., circulate cement to surface.
4. Drill 7 7/8" hole to 8400'. Run and set 8400' of 5 1/2" casing as follows. 1500' of 5 1/2" 17# N-80 LT&C, 5900' of 5 1/2" 17# J-55 LT&C, 1000' of 5 1/2" 17# N-80 LT&C. Cement with 500 Sx. of Class "H" Light weight cement + additives, tail in with 300 Sx. of Class "H" Premium Plus cement + additives. Estimate top of cement 1800' from surface.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on proposed well, including location, depth, and proposed casing and cementing program. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depth. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depth. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depth.

## 24.

SIGNED

Agent

DATE 10/01/02

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/S/ JOE G. LARA

TITLE

FIELD MANAGER

DATE

NOV 04 2002

\*See Instructions On Reverse Side APPROVAL FOR 1 YEAR